

SHEET					REV			ECO			DATE			DESCRIPTION			BY	CHK	APR
ALL					N/C						03/20/20			INITIAL RELEASE			DT	LS	MH
BOM					A						03/24/22			ITEM #18 P/N NOW ES45011-1.			DT	ZA	DT

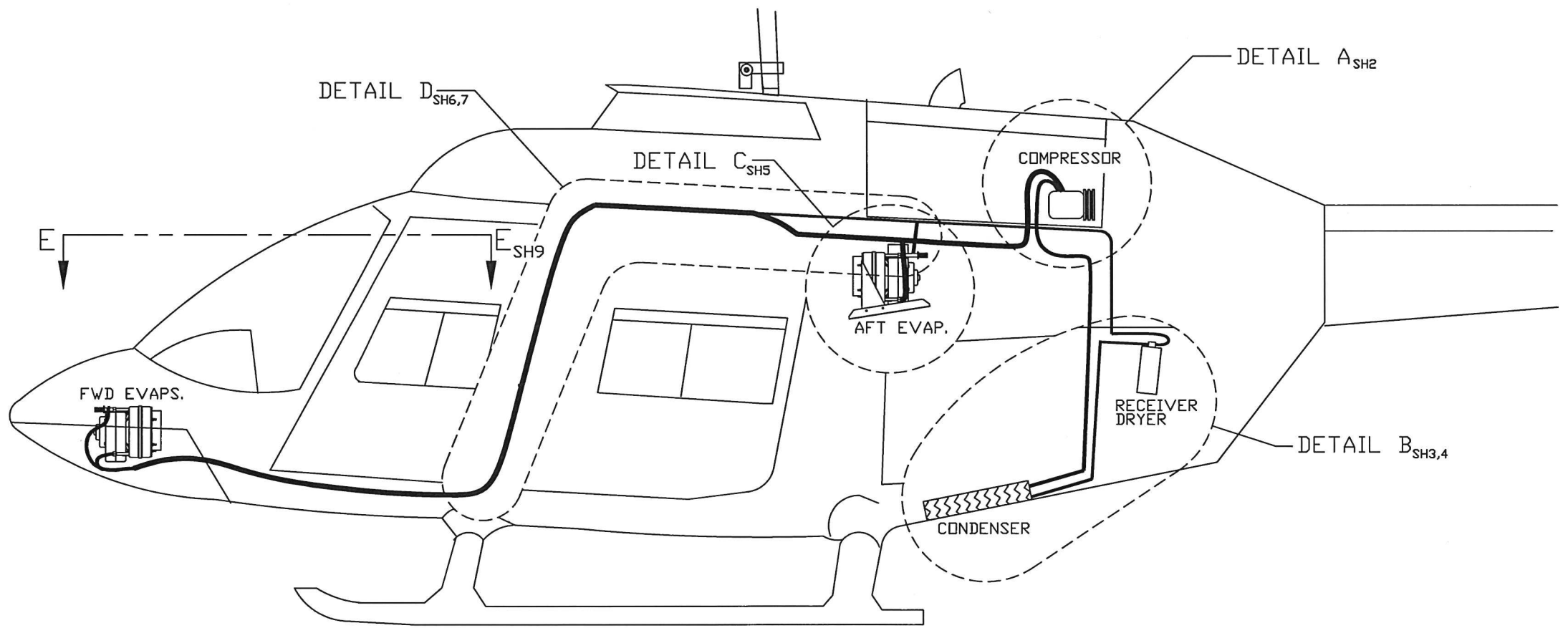
1. PERMITTED TO USE CLAMPS 1 OR 2 SIZES BIGGER OR SMALLER AS NEEDED.

2. PRECLEAN ALL MATING SURFACES OF ATTACHMENT HARDWARE AND PLATE PER BHT-ALL-SPM. SEAL USING ADHESIVE SEALANT 299-947-107, TYPE III CLASS 7, OR MIL-S-8802, CLASS B2.

3. PAINT TUBING USING A FLAT BLACK ENAMEL, OPTIONAL.

4. DO NOT APPLY SECO SEALS TO 45° FLARE FITTINGS.

5. PREPARE AREA AND INSTALL PER BHT-ALL-SPM CH.7 OR BHT-ALL-SRM CH. 3 AS APPLICABLE



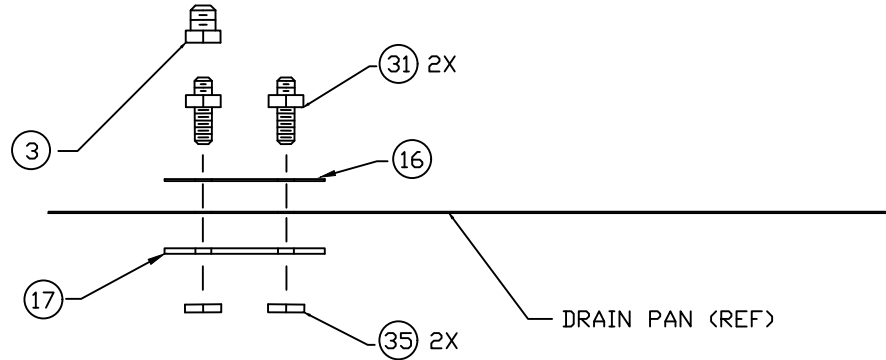
-1 INSTALLATION

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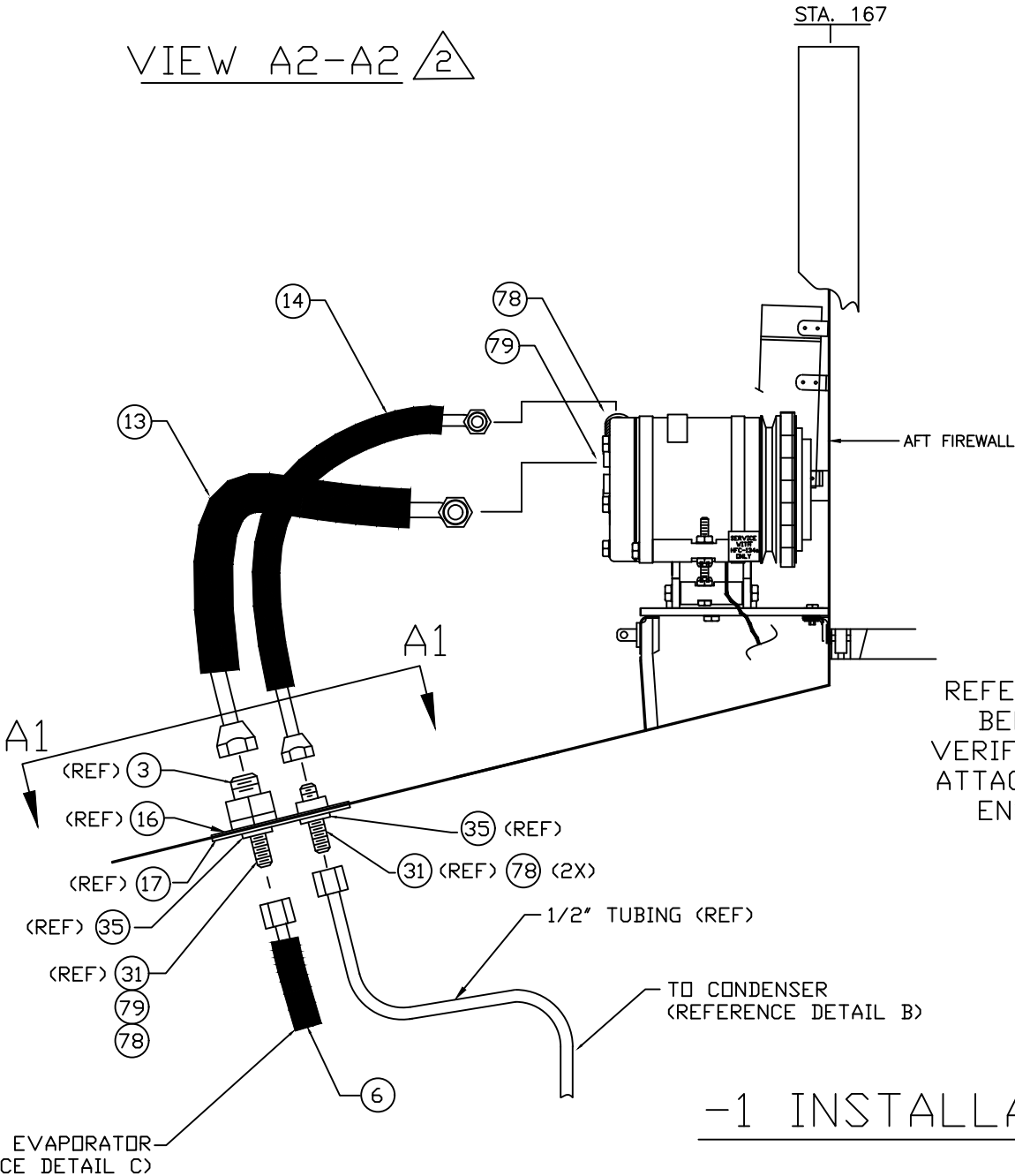
PROTO
N/C

Paravion® ✓Technology Inc.		TITLE AIR CONDITIONING PLUMBING 206A/B			DRAWING NO. 206AC-522		
DIMENSIONS IN INCHES							
TOLERANCES EXCEPT WHERE NOTED:		DRAWN BY	APRVD. BY	CHK'D BY	DATE	REV	ECO
		DT	MH	LS	03/20/20	A	
.X = ± .1							
.XX = ± .05							
.XXX = ± .010							
ANGLES = ± 1°							
		DO NOT SCALE DRAWING				SHEET	
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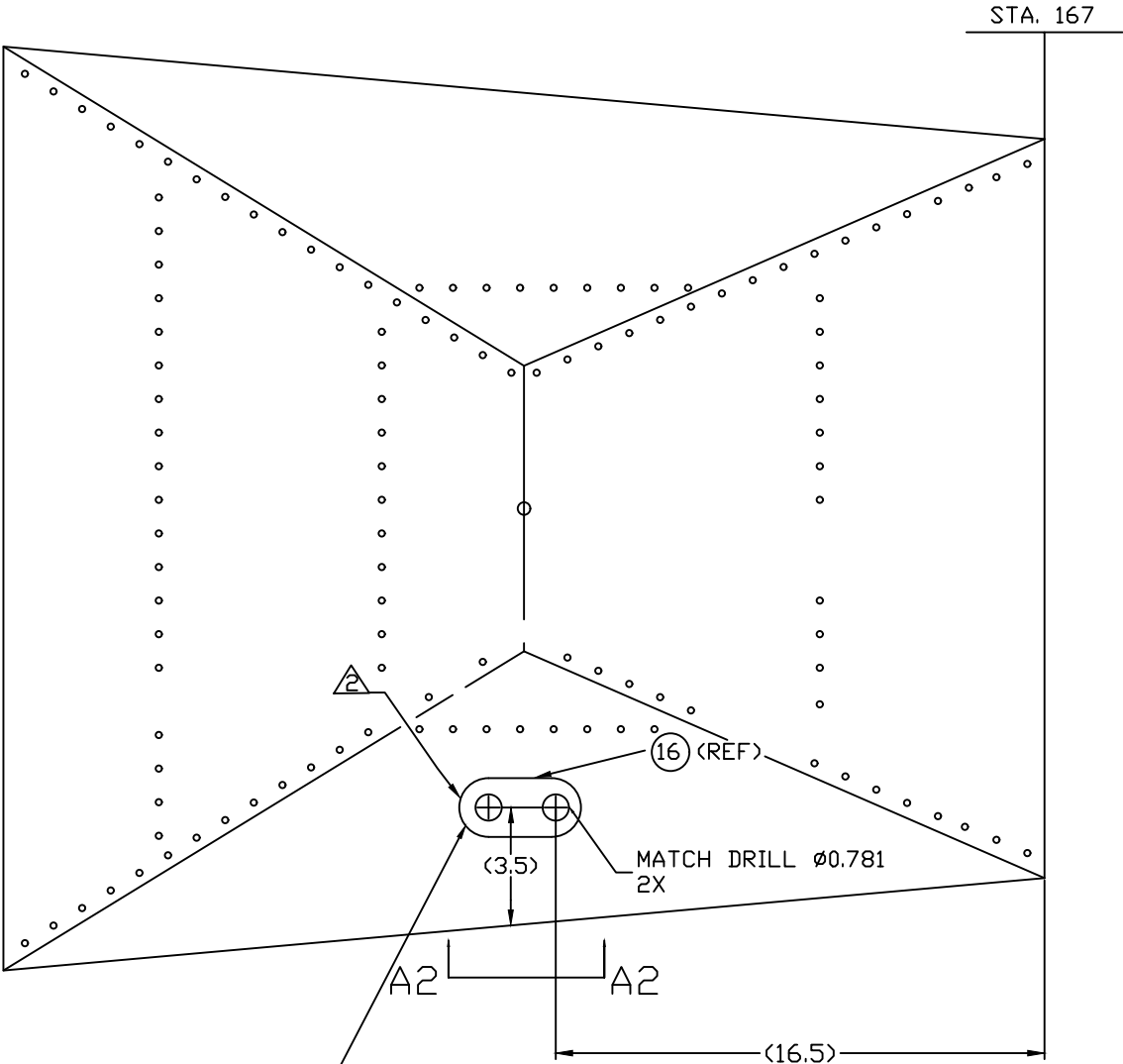
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VIEW A2-A2



REFER TO INSTALLATION INSTR'NS
BEFORE PENETRATING FIREWALL
VERIFY LOCATION BY TEMPORARILY
ATTACHING HOSES TO COMPRESSOR.
ENSURE HOSES ARE NOT KINKED
AND ADJUST ACCORDINGLY



VIEW A1-A1
TOP VIEW
SHOWING LOCATION
OF STIFFENERS

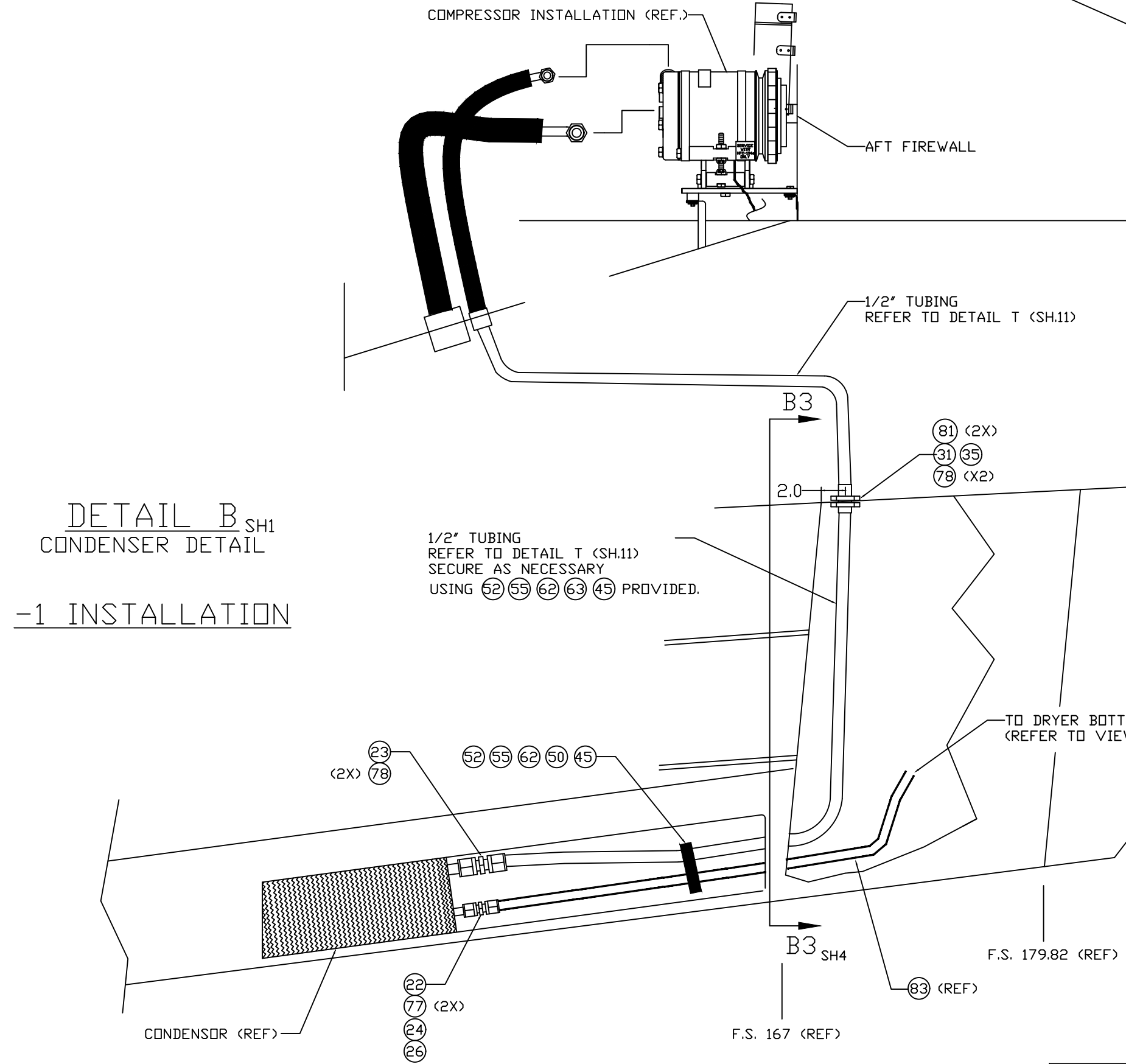
-1 INSTALLATION

DETAIL A SH1

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PROTO
N/C

Paravion® Inc. ✓Technology		TITLE AIR CONDITIONING PLUMBING 206A/B		DRAWING NO. 206AC-522	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY DT	APRVD. BY MH	CHK'D BY LS	DATE 03/20/20
		ECO			
		DO NOT SCALE DRAWING			SHEET 2 OF 11
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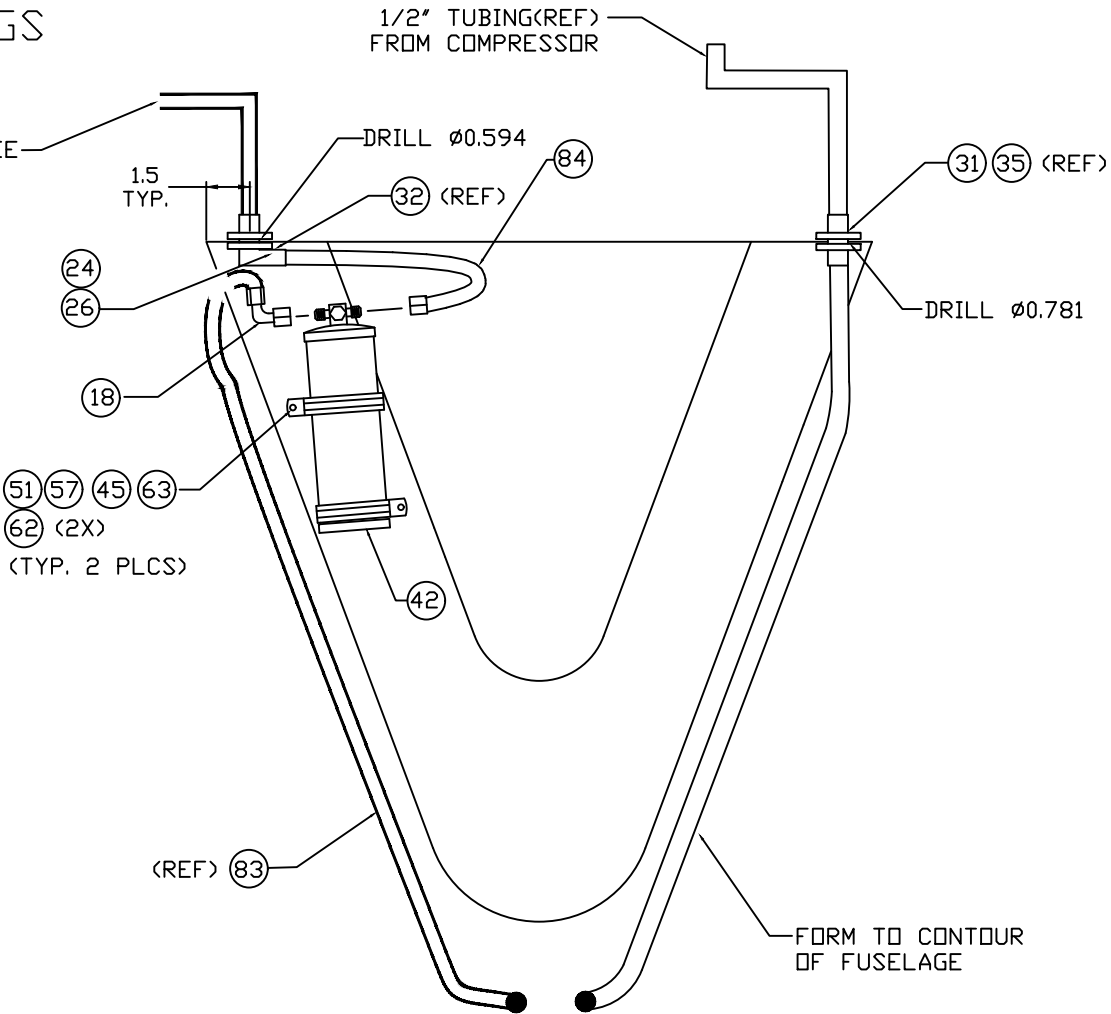
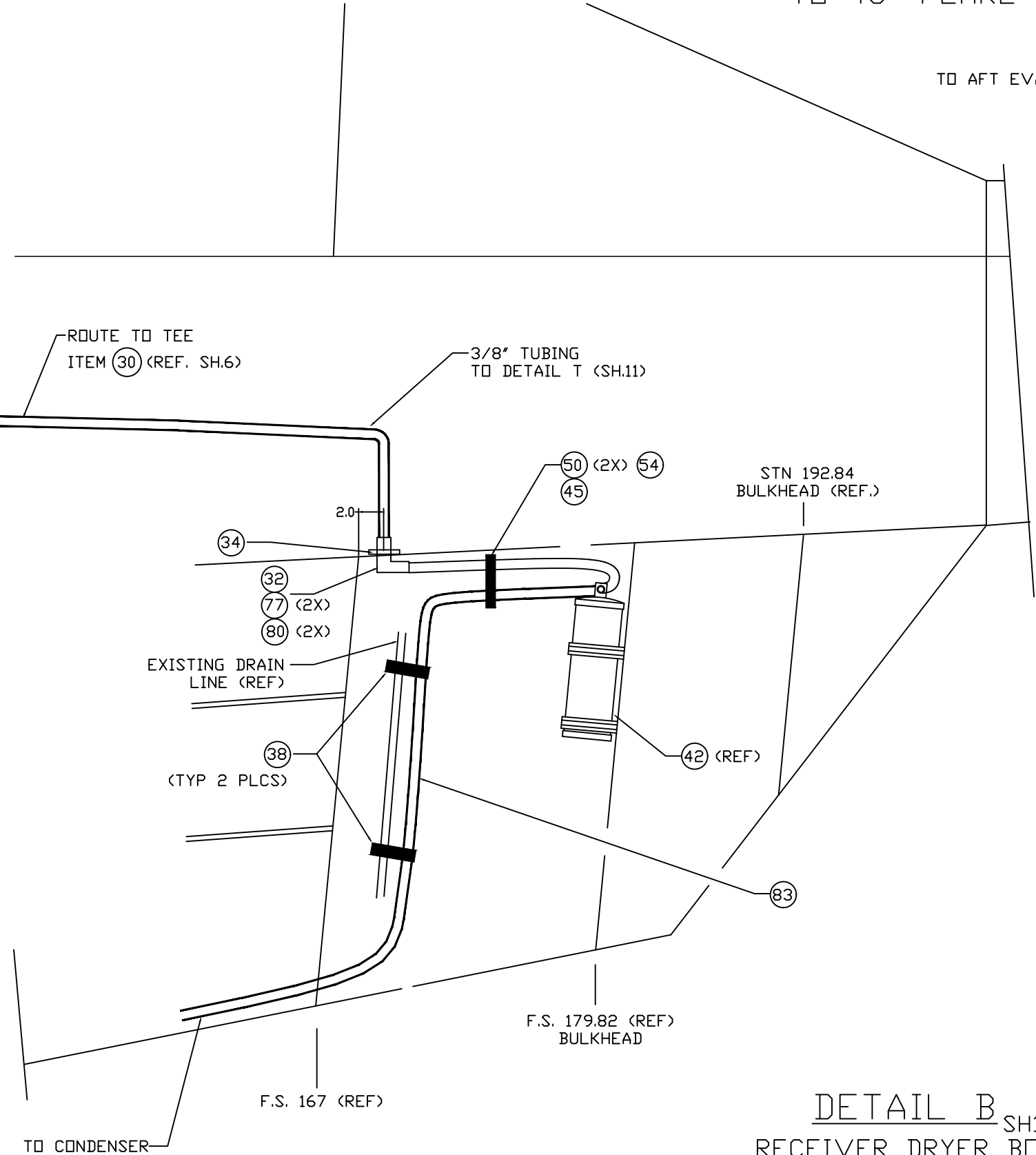
DETAIL B SH1
CONDENSER DETAIL
-1 INSTALLATION

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N/C

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DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED:		DRAWN BY DT	APRVD. BY MH	CHK'D BY LS	DATE 03/20/20	REV A
.X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DO NOT SCALE DRAWING			SHEET 3 OF 11	
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DO NOT APPLY SECO SEALS
TO 45° FLARE FITTINGS



-1 INSTALLATION

VIEW B3-B3 SH3
LOOKING AFT AT STA. 179.92

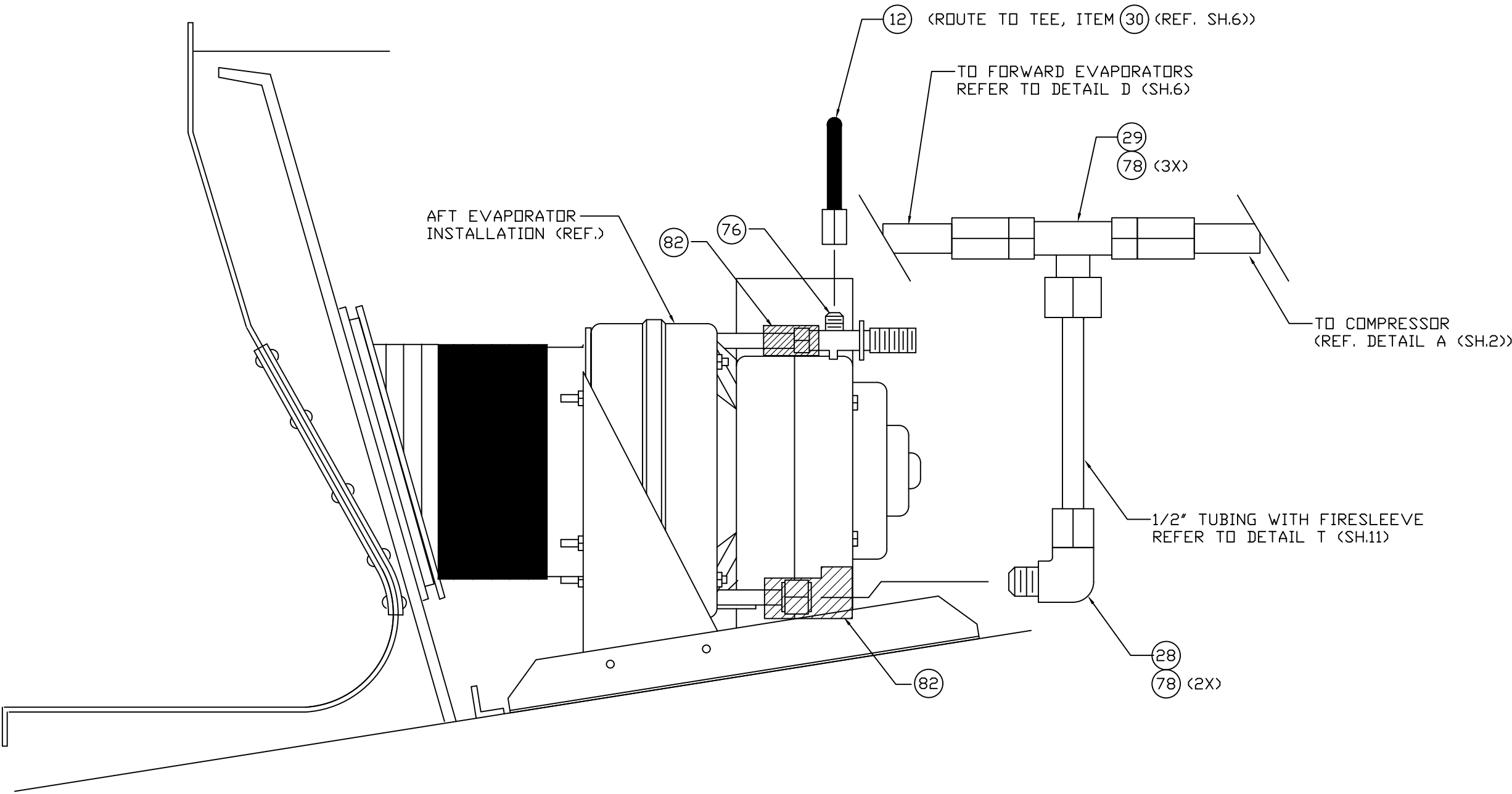
DETAIL B SH1
RECEIVER DRYER BOTTLE

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PROTO

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Paravion® Inc. Technology		TITLE AIR CONDITIONING PLUMBING 206A/B				DRAWING NO. 206AC-522	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY DT	APRVD. BY MH	CHK'D BY LS	DATE 03/20/20	REV A	ECO
		DO NOT SCALE DRAWING				SHEET	
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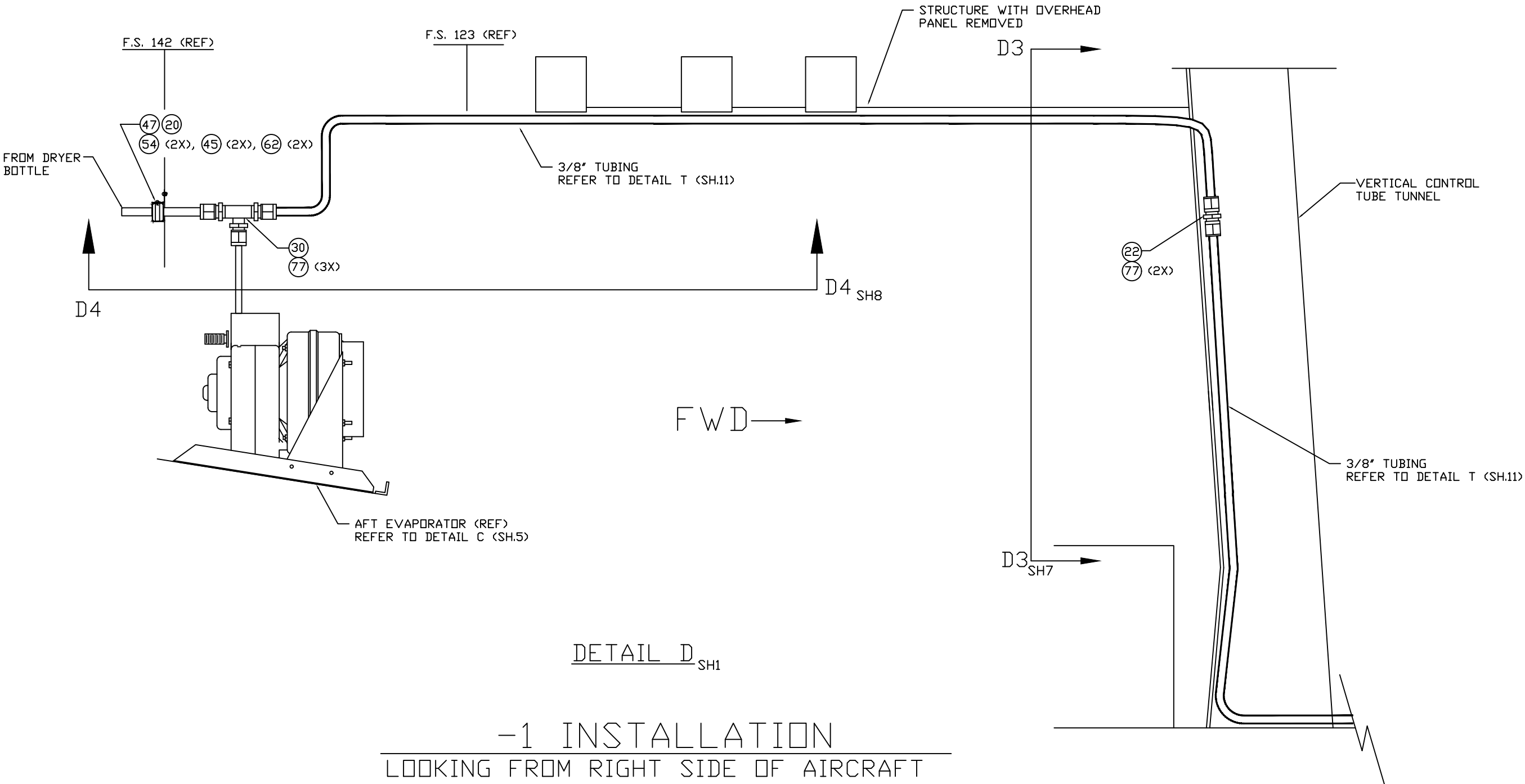


-1 INSTALLATION
DETAIL C SH1

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PROTO
N/C

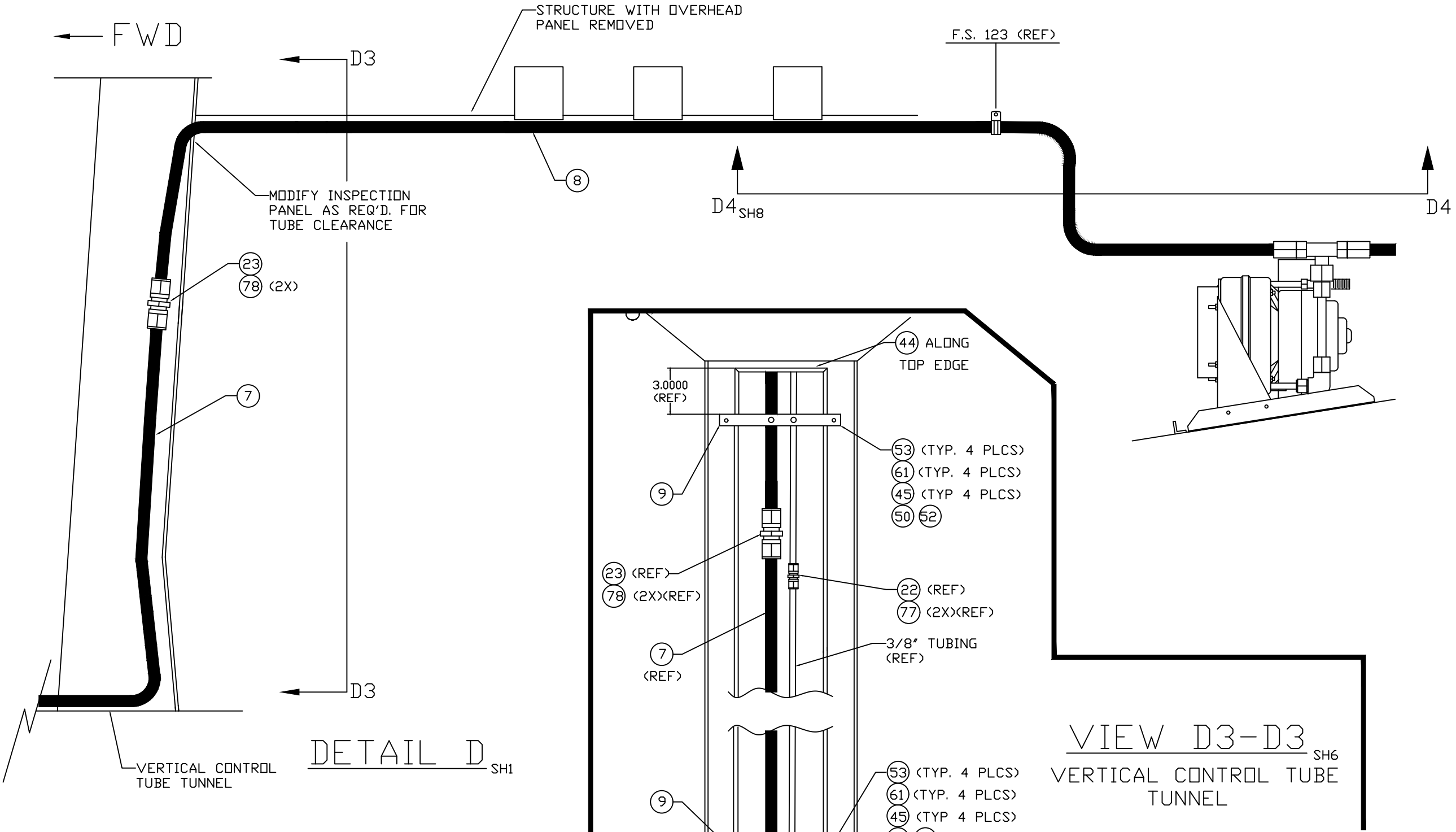
Paravion® Technology Inc.		TITLE AIR CONDITIONING PLUMBING 206A/B			DRAWING NO. 206AC-522	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY DT	APRVD. BY MH	CHK'D BY LS	DATE 03/20/20	REV A
		ECO				ECO
		DO NOT SCALE DRAWING				SHEET 5 OF 11
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PROTO
N/C

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DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY DT	APRVD. BY MH	CHK'D BY LS	DATE 03/20/20	REV A
		DO NOT SCALE DRAWING				SHEET 6 OF 11
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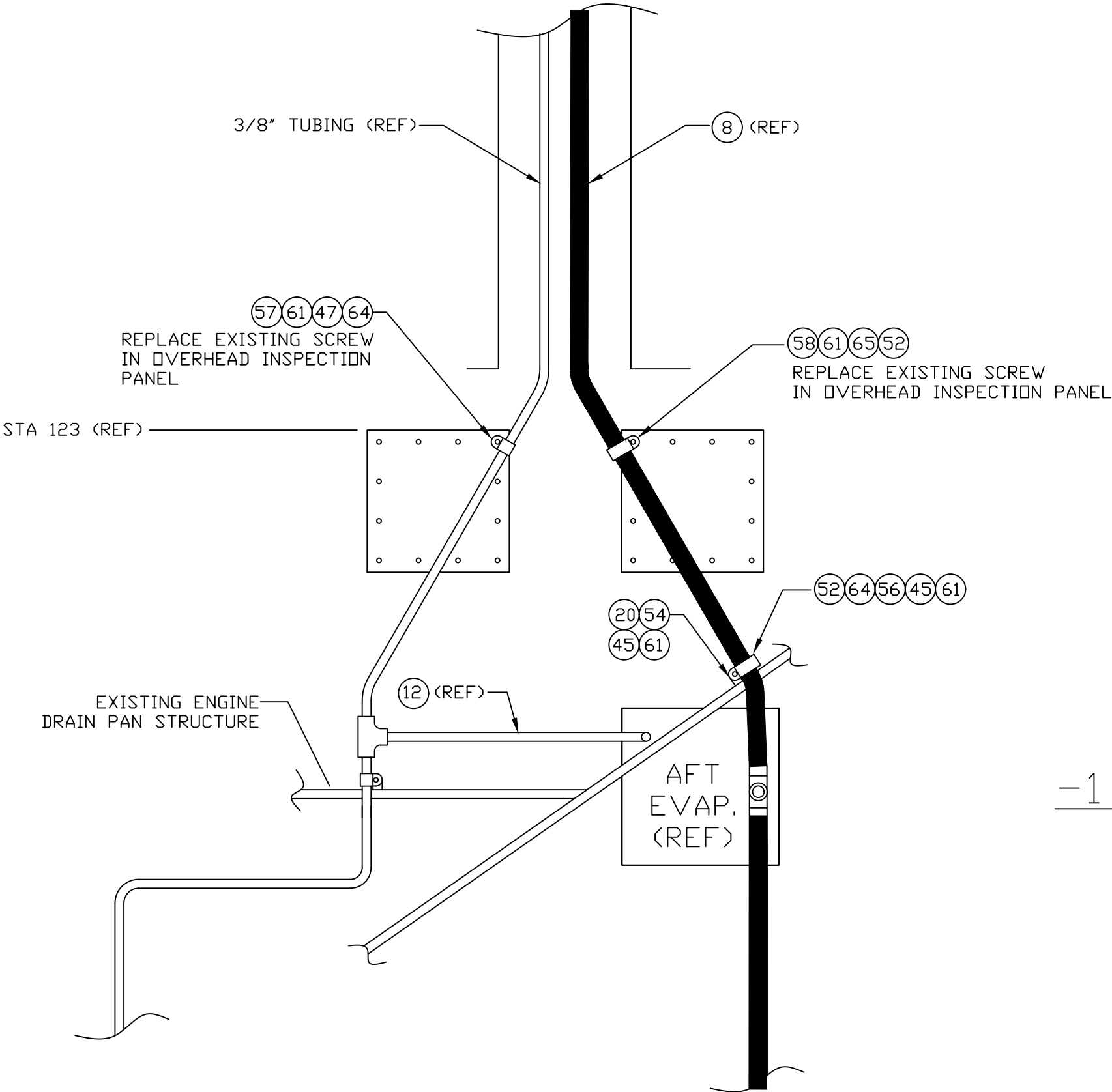


-1 INSTALLATION
LOOKING FROM LEFT SIDE OF AIRCRAFT

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PROTO
N/C

Paravion® Inc. Technology		TITLE AIR CONDITIONING PLUMBING 206A/B			DRAWING NO. 206AC-522	
DIMENSIONS IN INCHES		DRAWN BY DT	APRVD. BY MH	CHK'D BY LS	DATE 03/20/20	REV A
TOLERANCES EXCEPT WHERE NOTED:		DO NOT SCALE DRAWING				SHEET 7 OF 11
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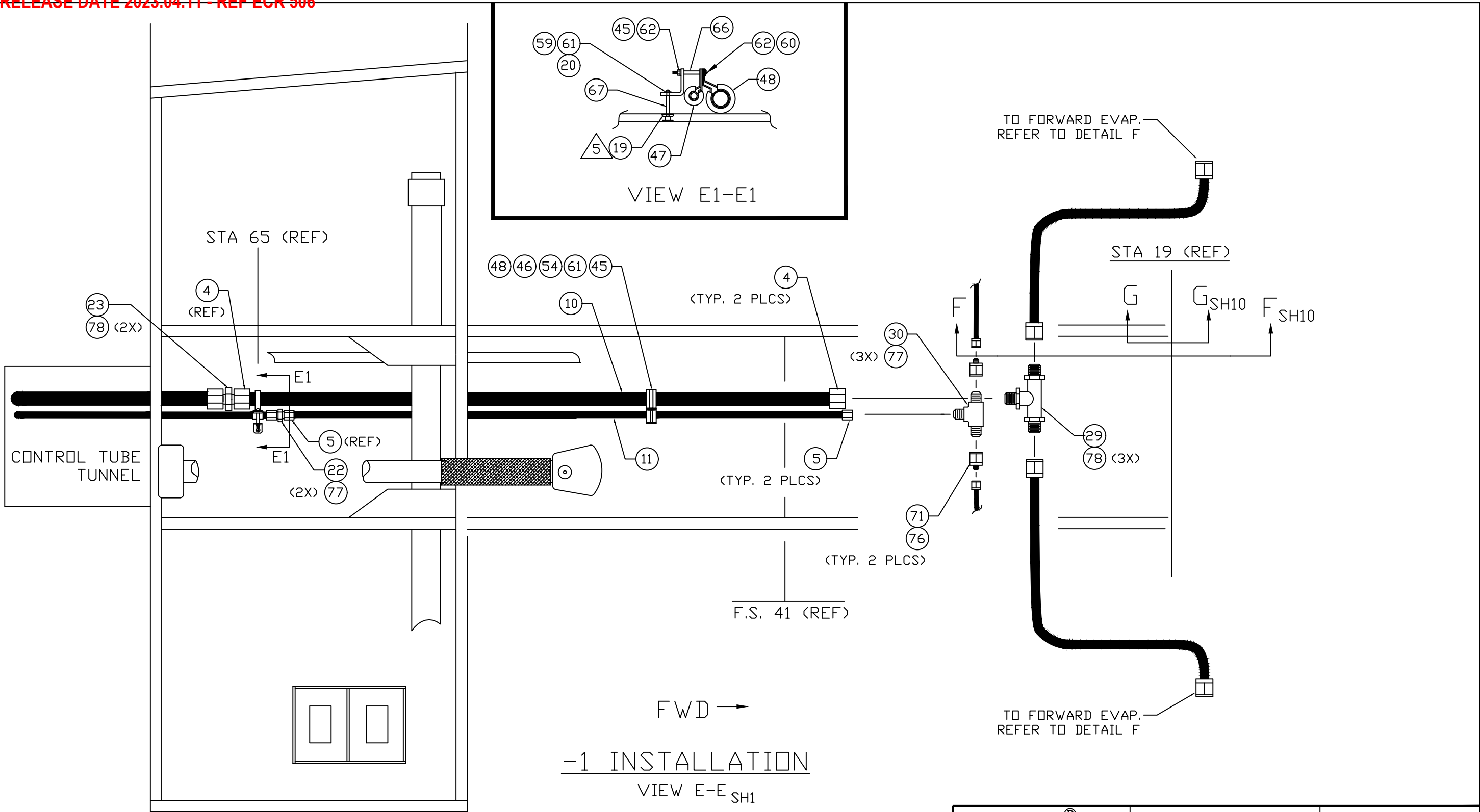


-1 INSTALLATION
VIEW D4-D4 SH7,6

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PROTO
N/C

Paravion® Technology Inc.		TITLE AIR CONDITIONING PLUMBING 206A/B				DRAWING NO. 206AC-522	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY DT	APRVD. BY MH	CHK'D BY LS	DATE 03/20/20	REV A	ECO
		DO NOT SCALE DRAWING				SHEET 8 OF 11	
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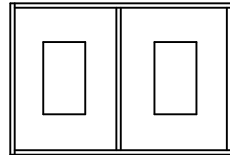
CONTROL TUBE
TUNNEL

STA 65 (REF)

(4)
(REF)

(23)
(78) (2X)

(5) (REF)
(22)
(77) (2X)



F.S. 56 (REF)

VIEW E1-E1

(48) (46) (54) (61) (45)

(10)

(TYP. 2 PLCS)

(4)

(30)
(77) (3X)

(11)

(TYP. 2 PLCS)

(5)

(TYP. 2 PLCS)

F.S. 41 (REF)

FWD →

-1 INSTALLATION

VIEW E-E SH1

TO FORWARD EVAP.
REFER TO DETAIL F

STA 19 (REF)

G

G

SH10

F SH10

(29)
(78) (3X)

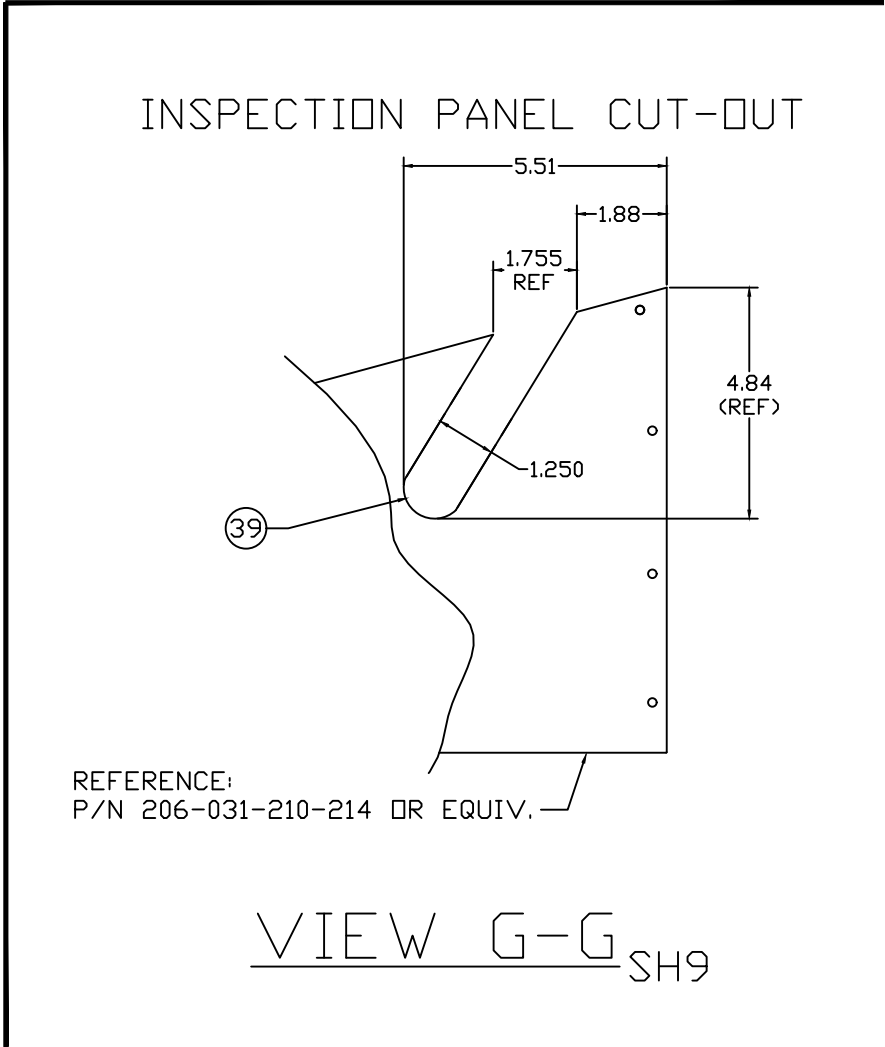
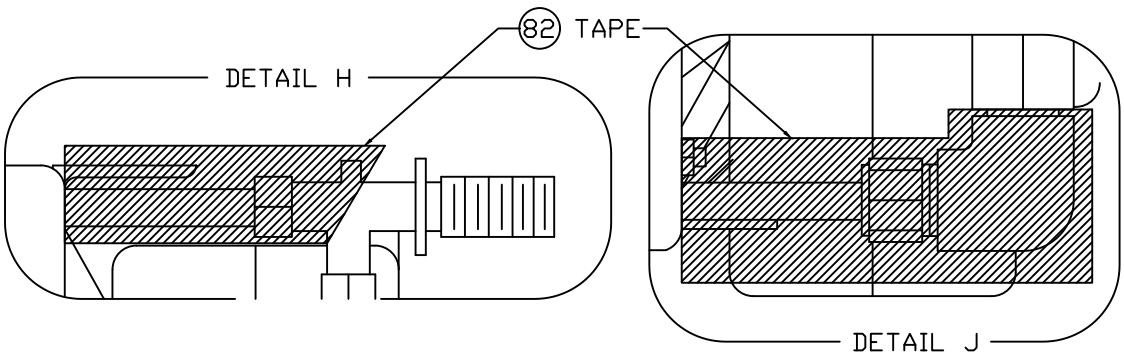
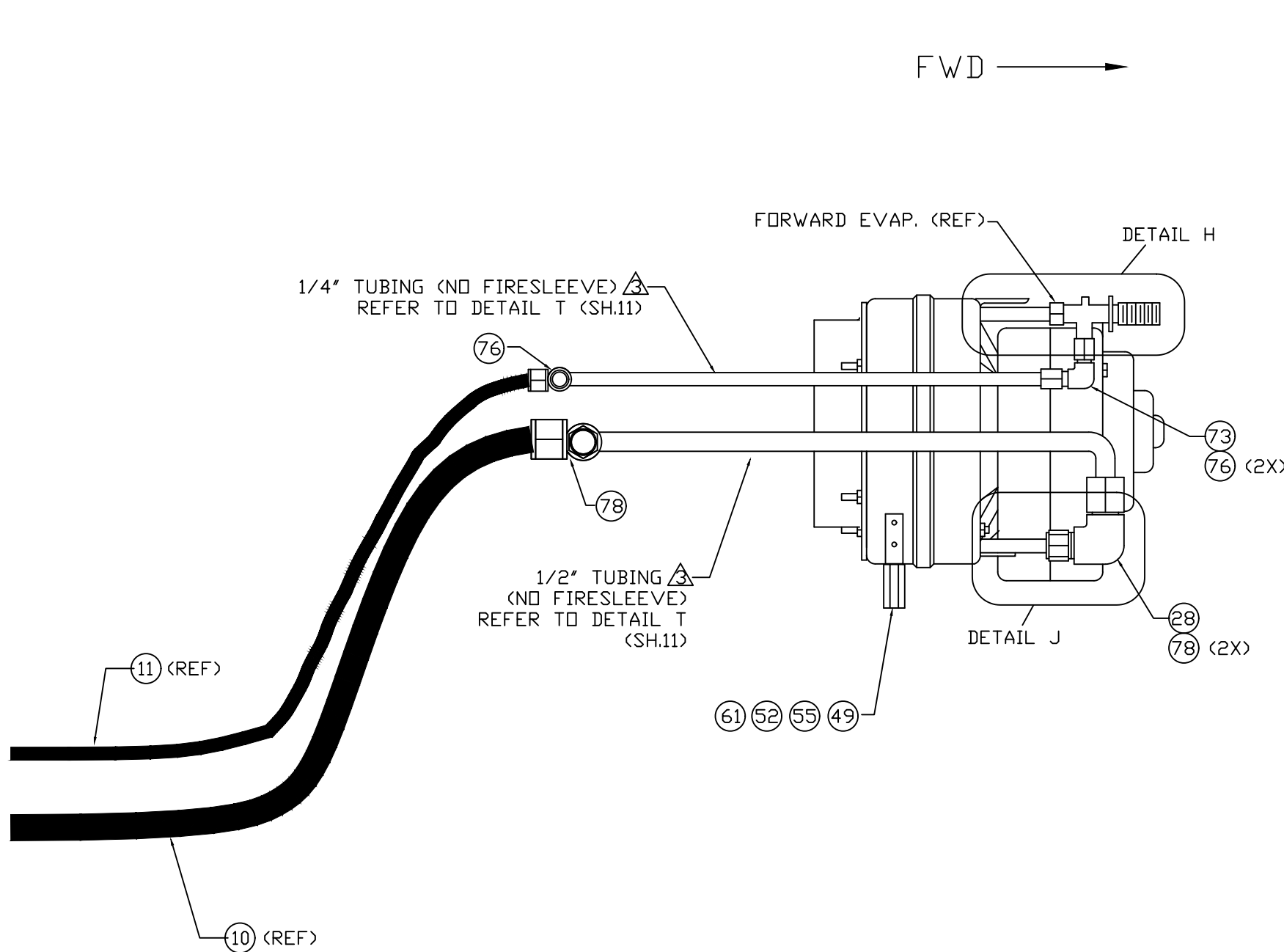
TO FORWARD EVAP.
REFER TO DETAIL F

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PROTO

N/C

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DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY DT	APRVD. BY MH	CHK'D BY LS	DATE 03/20/20	REV A
		DO NOT SCALE DRAWING				SHEET 9 OF 11
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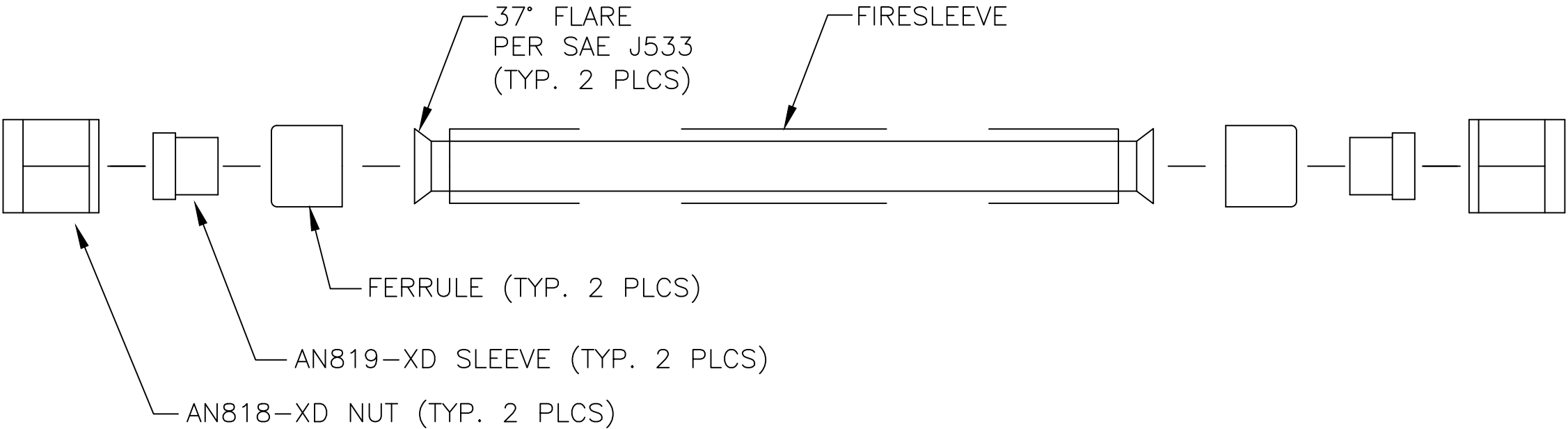
VIEW F-F SH9
(VIEWED FROM INSIDE OF CONSOLE)
LEFT SIDE SHOWN RIGHT SIDE OPPOSITE

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PROTO
N/C

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DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED:		DRAWN BY DT	APRVD. BY MH	CHK'D BY LS	DATE 03/20/20
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		DO NOT SCALE DRAWING			SHEET 10 OF 11
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NOTE: ENSURE FIRESLEEVE, FERRULE, SLEEVE, AND NUT ARE PLACED ON TUBE PRIOR TO FLARING



DETAIL T: REFRIGERANT LINE CONSTRUCTION

REFRIGERANT LINE COMPONENTS:

MIN. BEND RADIUS	TUBING	SLEEVE	NUT	IF NECESSARY	
				FIRESLEEVE	FERRULE
R1.50	(2)	(27)	(25)	(37)	(40)
R1.00	(1)	(26)	(24)		
R1.00	(68)	(70)	(69)		

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PROTO
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DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY DT	APRVD. BY MH	CHK'D BY LS	DATE 03/20/20	REV A	ECO
		DO NOT SCALE DRAWING				SHEET 11 OF 11	
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Bill of Materials

*206AC-522-1, REV. A

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*206AC-522-1, REV. A	PLUMBING INST'N	1	KIT
1	0.375 X 0.035 WALL	5052-0 TUBING	25	FT
2	0.5 X 0.035 WALL	5052-0 TUBING	15	FT
3	10-8 XHX6-S	5/8" TO 1/2" FITTING	1	EA
4	20621-8-8	1/2" FEMALE SWIVEL	2	EA
5	20621-6-6	3/8" FEMALE SWIVEL	2	EA
6	206AC-5018-1	TUBE ASSEMBLY	1	EA
7	206AC-5018-2	TUBE ASSEMBLY	1	EA
8	206AC-5018-4	TUBE ASSEMBLY	1	EA
9	206AC-5150-1	STRAP	2	EA
10	285-8	13/32" FLEX HOSE	4	FT
11	285-6	5/16" FLEX HOSE	4	FT
12	407AC-5020-1	TUBE ASSEMBLY	1	EA
13	407AC-5200-5	HOSE ASSEMBLY	1	EA
14	407AC-5200-3	HOSE ASSEMBLY	1	EA
16	407AC-5510-5	STIFFENER	1	EA
17	407AC-5510-6	STIFFENER	1	EA
18	ES45011-1	ELBOW FITTING	1	EA
19	80-004-2-6	INSERT	1	EA
20	AN743-12	ANGLE	2	EA
22	AN815-6D	UNION (ALT: MS20815-6D)	4	EA
23	AN815-8D	UNION	3	EA
24	AN818-6D	NUT (ALT MS20818-6D)	14	EA
25	AN818-8D	NUT	14	EA
26	AN819-6D	SLEEVE (ALT: MS20819-6D)	14	EA
27	AN819-8D	SLEEVE (ALT: MS20819-8D)	14	EA
28	AS1034D0808	ELBOW (ALT: AN821-8D)	3	EA
29	AN824-8D	TEE	2	EA
30	AN824-6D	TEE	2	EA
31	AN832-8D	BULKHEAD FITTING (ALT: AS5406D08)	3	EA
32	AN833-6D	BULKHEAD ELBOW	1	EA

Bill of Materials

*206AC-522-1, REV. A

ITEM #	P/N	DESCRIPTION	QTY	TYP
34	AN924-6D	NUT	1	EA
35	AN924-8D	NUT	3	EA
37	BH-9	FIRESLLEEVE	12	FT
38	MS3367-3-0	TIE WRAP (ALT: CT15B)	2	EA
39	ES00140-3	GROMMET	18	IN
40	ES39500-1	FERRULE	24	EA
42	ES43050-3	DRYER BOTTLE (ALT: ES43050-2)	1	EA
44	MS21266-1N	CATERPILLAR GROMMET (ALT: GM-32)	8	IN
45	MS21042L3	NUT	20	EA
46	MS21919WDG10	CLAMP	1	EA
47	MS21919WDG11	CLAMP	3	EA
48	MS21919WDG12	CLAMP	2	EA
49	MS21919WDG13	CLAMP	2	EA
50	MS21919WDG6	CLAMP	2	EA
51	MS21919WDG40	CLAMP	2	EA
52	MS21919WDG8	CLAMP	6	EA
53	MS24693S272	SCREW	8	EA
54	MS35207-263	SCREW	5	EA
55	MS35207-264	SCREW	4	EA
56	MS35207-265	SCREW	1	EA
57	MS35207-266	SCREW	3	EA
58	MS35207-267	SCREW	1	EA
59	MS35207-268	SCREW	1	EA
60	MS35207-269	SCREW	1	EA
61	NAS1149F0332P	WASHER	15	EA
62	NAS1149F0363P	WASHER	8	EA
63	NAS43DD3-16FC	SPACER (ALT: NAS43DD3-16)	3	EA
64	NAS43DD3-32FC	SPACER (ALT: NAS43DD3-32)	2	EA
65	NAS43DD3-40FC	SPACER (ALT: NAS43DD3-40)	1	EA
66	NAS43DD3-55FC	SPACER (ALT: NAS43DD3-55)	1	EA
67	NAS43DD3-62FC	SPACER (ALT: NAS43DD3-62)	1	EA

Bill of Materials

*206AC-522-1, REV. A

ITEM #	P/N	DESCRIPTION	QTY	TYP
68	0.250 x 0.035 WALL	5052-0 TUBING	3	FT
69	AN818-4D	NUT (ALT: MS20818-4D)	4	EA
70	AN819-4D	SLEEVES (ALT: MS20819-4D)	4	EA
71	6-4 TRTXN-S	REDUCER (ALT: 0603-6-4)	2	EA
73	4C6X-S	ELBOW, 90 DEGREE	2	EA
76	SECO-7A4	SECO SEAL, 1/4" ALUMINUM	15	EA
77	SECO-7A6	SECO SEAL, 3/8" ALUMINUM	20	EA
78	SECO-7A8	SECO SEAL, 1/2" ALUMINUM	26	EA
79	SECO-7A10	SECO SEAL, 5/8" ALUMINUM	5	EA
80	NAS1149F0963P	WASHER	2	EA
81	NAS1149F1290P	WASHER	2	EA
82	ES06022-2	TAPE	36	IN
83	407AC-5019-1	TUBE ASSEMBLY	1	EA
84	407AC-5019-2	TUBE ASSEMBLY	1	EA